

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ABSTRACT

1
2 A joystick controller for modified steering system for boats with outboard
3 motors. The system uses a directional nozzle for the jet output that is attached to a
4 control cable system. This cable turns the directional nozzle, which causes the trust of
5 the jet output to turn the boat. Thus, the boat can be steered without having to turn the
6 entire motor. The system also has a reversing cup to change direction. The system uses
7 a joystick that connects to a set of actuators, which in turn, connect to the directional
8 nozzle, reverse cup and throttle. In this way, the joystick can control the movement of
9 the boat in any direction. The joystick can be used with a conventional motor as well.